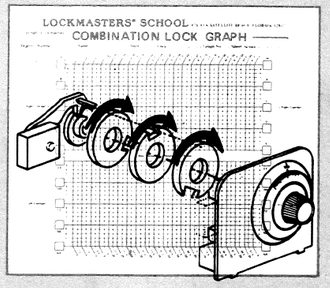
Three Wheel Lock Manipulation Flowchart

Lockmasters Security Institute

CHECK DIAL RING

DETERMINE NUMBER OF WHEELS

DETERMINE RIGHT & LEFT CONTACT POINTS



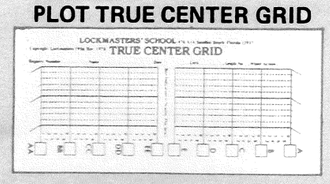
PLOT GRAPH NUMBER 1

WHEEL ACTION
All Wheels (R) in 2.5 No. increments

DIALING PROCEDURE
4 times R- to 2.5 No. increments less than Left contact point
L to Contact - take readings.

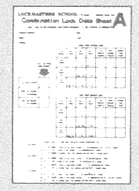
ABBREVIATED DIALING THEREAFTER
1 time R - to next lower 2.5 No. increment stop
L to Contact - take readings.
Continue around dial in 2.5 No. increments

PLOT TRUE CENTER GRID



Use same dialing procedure as graph but plot each number.

DATA SHEET A



Complete Data Sheet A to determine indicating wheel.

Follow data sheet dialing procedure.

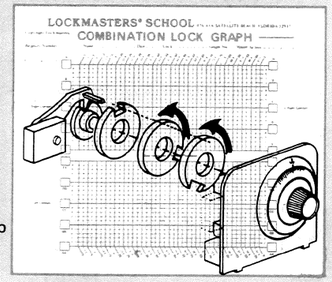
WHEN WHEEL 3 IS KNOWN

PLOT GRAPH NUMBER 2

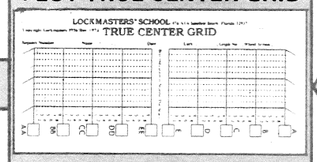
WHEEL ACTION
Wheels 1 and 2 left in 2.5 No. increments
Wheel 3 on Known Third Number

DIALING PROCEDURE
4 times L - to the 2.5 No. increment higher than the Known Third Number
2 times R - to Known Third Number
L to Contact - take readings.

ABBREVIATED DIALING THEREAFTER
2 times L - to next higher 2.5 No. increment stop
2 times R - to Known Third Number
L to Contact - take readings.
Continue around dial in 2.5 No. increments.

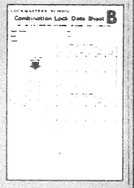


PLOT TRUE CENTER GRID



Use same dialing procedure as graph but plot each number.

DATA SHEET B



Complete Data Sheet B to determine indicating wheel.

Follow data sheet dialing procedure.

1. Position wheels on their Known Numbers.
2. Move remaining wheel around in 2.5 No. increments.
3. At each test oscillate in the contact area and try to retract the bolt.

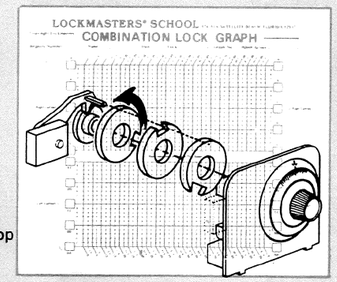
WHEN WHEEL 2 IS KNOWN

PLOT GRAPH NUMBER 2

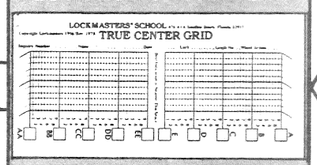
WHEEL ACTION
Wheels 1 and 2 on Known Second Number
Wheel 3 (L) in 2.5 No. increments

DIALING PROCEDURE
4 times R - to Known Second Number
2 times L- to the 2.5 No. increment higher than the Known Second Number
R to Contact - take readings.

ABBREVIATED DIALING THEREAFTER
1 times L - to next higher 2.5 No. increment stop
R to Contact - take readings.
Continue around dial in 2.5 No. increments.



PLOT TRUE CENTER GRID



Use same dialing procedure as graph but plot each number.

1. Position wheels on their Known Numbers.
2. Move remaining wheel around in 2.5 No. increments.
3. At each test oscillate in the contact area and try to retract the bolt.

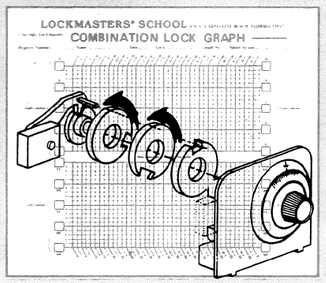
WHEN WHEEL 1 IS KNOWN

PLOT GRAPH NUMBER 2

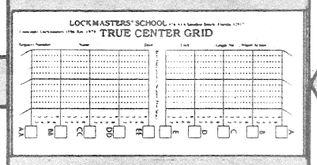
WHEEL ACTION
Wheel 1 on Known First Number
Wheels 2 and 3 (L) in 2.5 No. increments

DIALING PROCEDURE
4 times R - to Known First Number
3 times L - to the 2.5 No. increment higher than the Known First Number
R to Contact - take readings.

ABBREVIATED DIALING THEREAFTER
1 time L - to next higher 2.5 No. increment stop
R to Contact - take readings
Continue around dial in 2.5 No. increments.

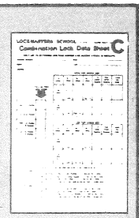


PLOT TRUE CENTER GRID



Use same dialing procedure as graph, but plot each number.

DATA SHEET C



Complete Data Sheet C to determine indicating wheel.

Follow data sheet dialing procedure.

1. Position wheels on their Known Numbers.
2. Move remaining wheel around in 2.5 No. increments.
3. At each test oscillate in the contact area and try to retract the bolt.

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